

Title (en)

Seal ring for sealing a radial gap in a gas turbine

Title (de)

Dichtungsring zum Abdichten eines Radialspalts in einer Gasturbine

Title (fr)

Bague d'étanchéité destinée à rendre étanche un jeu radial dans une turbine à gaz

Publication

**EP 2218876 A1 20100818 (DE)**

Application

**EP 09002128 A 20090216**

Priority

EP 09002128 A 20090216

Abstract (en)

The ring (21) has sealing ring segments arranged over a circumference, where the ring is supported on a wall section (20) and moved in a radial direction such that a radial clearance (18) is adapted to an intermittent change of height of the radial clearance in a bridgeable manner by the ring. The sealing ring segments comprise two sealing ring segment edges that are turned away from each other. The sealing ring segment edges are formed in s-shape in an axial direction such that one of the sealing segment edges is in contact with the other sealing segment edge. An independent claim is also included for an axial compressor for a gas turbine comprising a compressor-guide set.

Abstract (de)

Ein Dichtungsring zum Abdichten eines Radialspalts (18) in einer Gasturbine, der zwischen einer Schaufelspitze (17, 19) und einem zu der Schaufelspitze (17, 19) unmittelbar benachbart angeordneten Wandabschnitt (20) ausgebildet ist, ist auf dem Wandabschnitt (20) abstützbar und in Radialrichtung beweglich, so dass mit dem Dichtungsring (21) der Radialspalt (18) an eine instationäre Änderung der Höhe des Radialspalts (18) angepasst überbrückbar ist.

IPC 8 full level

**F01D 9/04** (2006.01); **F01D 11/00** (2006.01); **F01D 25/24** (2006.01); **F01D 25/26** (2006.01); **F04D 29/08** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP)

**F01D 9/04** (2013.01); **F01D 11/005** (2013.01); **F04D 29/083** (2013.01); **F04D 29/542** (2013.01); **F05D 2240/11** (2013.01); **F05D 2240/55** (2013.01); **F05D 2260/38** (2013.01); **F05D 2260/94** (2013.01); **F05D 2260/941** (2013.01)

Citation (search report)

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